

Section 1. Product and Company Identification

Product Name	LIME-A-WAY® TOILET BOWL CLEANER, THICK FORMULA (LIQUID)	MSDS#	Not available.
Product Description	Lime-A-Way® Lime, Calcium & Rust Toilet Bowl Cleaner in a thick formula and angle neck squeeze bottle for spraying into and under the rim for cleaning of toilet bowls.	Validation Date	8/17/2000
Manufacturer	Reckitt Benckiser Inc. 1655 Valley Road Wayne, N.J. 07474	Print Date	1/18/2001
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	368931	Transportation Emergencies:	Chemtrec: 800-424-9300
Formula Number	961607 (F/F 368931)		
UPC Number	51700-39700 (16 oz.), 51700-39705 & 51700-39715 (24 oz)		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) HYDROCHLORIC ACID	7647-01-0	14.5	CEIL: 7.5 (mg/m ³) from ACGIH (TLV) [USA] CEIL: 5 (ppm) from ACGIH (TLV) [United States] CEIL: 7.5 CEIL: 5 (ppm) from OSHA (PEL) [United States]

Section 3. Hazards Identification

Emergency Overview	POISON: MAY BE FATAL IF SWALLOWED. DANGER: Contains Hydrochloric Acid. CORROSIVE: Causes severe burns. Keep away from eyes, skin and clothing. VAPOR HARMFUL: Do not inhale or swallow. Use in well ventilated area. Wear protective eyewear and rubber gloves. Do not use with chlorine bleach, mildew removers or any other products, as toxic fumes may result. KEEP OUT OF REACH OF CHILDREN.
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Section 4. First Aid Measures

Eye Contact	In case of eye contact, IMMEDIATELY flush eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing eyes with water for at least 15 minutes. Get IMMEDIATE medical attention.
Skin Contact	In case of skin contact, IMMEDIATELY flush exposed area with plenty of water for at least 15 minutes. Remove any contaminated clothing and wash thoroughly with soap and water. Get IMMEDIATE medical attention if irritation persists.
Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
Ingestion	DO NOT induce vomiting. Drink a glass of water and call a physician or poison control center IMMEDIATELY. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5. Fire and Explosion Data

Flammability	Not flammable. See Section 14 for any Shipping Classifications.
Flash Point	CLOSED CUP: Higher than 93.3°C (>200°F). (Tagliabue.).
Explosive Limits in Air	Not available.
Products of Combustion	Not available.
Fire and Explosion Hazards	Vapors may result from heating of product during a fire. Avoid inhalation of vapors and maintain a safe distance when using water spray. Wear full protective firefighting gear with eye and face protection.
Fire Fighting Media and Instructions	Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire. Do not use water directly on the product.
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a typical chemical fire.

Section 6. Accidental Release Measures

Accidental Spill	<p>Wear rubber gloves, eye protection and protective clothing as necessary.</p> <p>Small Spills: Clean up small spills and drips immediately with dry inert absorbent material and wash surface with water. Wipe Dry. Wrap absorbed material in plastic bag and dispose of as household waste.</p> <p>Large Spills or uncontrolled releases of concentrated product in situations other than normal use (as directed): Spill should be contained, collected and evaluated for disposal according to local, state and federal hazardous waste regulations.</p>
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Section 7. Handling and Storage

Handling and Storage	<p>POISON: MAY BE FATAL IF SWALLOWED. DANGER: Contains Hydrochloric Acid. CORROSIVE: Causes severe burns. DO NOT get in eyes, on skin or on clothing. VAPOR HARMFUL: Do not breathe or swallow vapor or fumes. Fumes are corrosive to metal. Do not use with chlorine bleach, mildew removers, or any other products, as toxic fumes may result.</p> <p>Store securely closed in original container in a well ventilated area inaccessible to small children or pets. Do not reuse empty container. When empty, rinse thoroughly with water and recycle container or discard in the trash. KEEP OUT OF REACH OF CHILDREN.</p>
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Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	<p>For normal recommended cleaning, use only in well ventilated areas. Avoid prolonged breathing of vapor.</p> <p>For occupational situations, use sufficient ventilation to keep hazardous ingredients below their Threshold Limit Values (see Section #2).</p>
Eye Protection	Wear eye and face protection (face shield).
Skin Protection	Wear impermeable gloves.
Respiratory Protection	None required for normal recommended use, avoid prolonged breathing of vapors. A self contained breathing apparatus (SCBA) should be used by emergency responders to avoid inhalation of the vapors which may be generated by this product during spill clean-up or fire situations.
Other Protection	When handling in large quantities, large spill clean-up or responding to other emergency situations, the use of appropriate full body (acid suit) protection is recommended.
Work/Hygienic Practices	Wash thoroughly with soap and water after handling. Remove and wash any contaminated clothing and clean shoes before reuse.

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Section 9. Physical and Chemical Properties

Description	Liquid. (Clear, bright green viscous liquid.)	Odor	Wintergreen.
pH	<1 [Acidic.]	Color	Bright green.
Boiling/Condensation Point	Not determined.		
Specific Gravity	1.07 (Water = 1)		
Vapor Pressure	Not determined.		
Vapor Density	Not determined.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable under normal conditions of handling.
Conditions of Instability	Do not mix with anything but water. Reaction with water or steam creates heat and may produce corrosive and toxic fumes. Can react violently with alkaline materials or metals. Do not mix with chlorinated detergents or sanitizers, toxic fumes will result.
Incompatibility with Various Substances	Do not mix with any other household products, especially chlorine bleach or mildew stain removers or any other chemical products. Fumes are toxic and corrosive to metal.
Hazardous Decomposition Products	May evolve unknown amounts of hydrochloric acid fumes.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information**Exposure effects**

Eye Contact	This product is severely corrosive. Contact could result in permanent eye injury, corneal necrosis and burns with permanent impairment or loss of vision. DO NOT get in eyes.
Skin Contact	Product is corrosive, produces severe irritation, inflammation, ulceration and chemical burns. DO NOT get on skin or on clothing.
Inhalation	Vapors may be severely irritating to the respiratory tract. DO NOT breath vapors or fumes.
Ingestion	May be fatal if swallowed. May cause severe burns to mouth, throat, esophagus and stomach.
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.

Section 12. Ecological Information

Ecotoxicity	Strong mineral acid content, dike and contain large spills to prevent runoff from entering wetlands, streams, creeks, rivers, ponds, lakes, or other bodies of water. May be hazardous to wildlife and fish.
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Section 13. Disposal Considerations

Waste Disposal Dispose of in accordance with local, state, and federal regulations. Container disposal: Do not reuse empty container. Carefully rinse empty container and wrap in newspaper then discard in trash or rinse and recycle if appropriate.

Section 14. Transport Information

DOT Classification	ORM-D	
Proper Shipping Name	Consumer Commodity.	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not available.	
Hazardous Substances Reportable Quantity	Not available.	
Special Provisions for Transport	ORM-D: For US Domestic Shipments Only.	
TDG Classification	Consumer Commodity - Transborder Consignment.	
ADR Classification	Not available.	
IMDG Classification	Hydrochloric Acid Solution, Class 8, UN 1789, II LTD. QTY, (16 oz. size or less ONLY).	
IATA Classification	DO NOT SHIP: Does not meet IATA requirements.	

Section 15. Regulatory Information

Federal and State Regulations	<p>SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:</p> <p>1) HYDROCHLORIC ACID Not available. 14.5 Not available</p> <p>California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act:</p> <p>1) Not available.</p>		
Other Classifications	WHMIS (Canada)	Not controlled under WHMIS (Canada).	

Section 16. Other Information

HMIS (U.S.A.)	<table><tr><td>Health Hazard</td><td>3</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>1</td></tr><tr><td>Personal Protection</td><td>a</td></tr></table>	Health Hazard	3	Fire Hazard	0	Reactivity	1	Personal Protection	a	National Fire Protection Association (U.S.A.)	<div>Health</div> <div><table><tr><td>0</td><td>1</td></tr><tr><td>3</td><td>COR</td></tr></table></div> <div><div>Fire Hazard</div><div>Reactivity</div><div>Specific hazard</div></div>	0	1	3	COR
Health Hazard	3														
Fire Hazard	0														
Reactivity	1														
Personal Protection	a														
0	1														
3	COR														
		<u>NFPA Aerosol Level</u>	Not applicable.												

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**LIME-A-WAY® TOILET BOWL CLEANER,
THICK FORMULA (LIQUID)**

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